| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |  |  |  |

| Application No. | Applicant(s)      |
|-----------------|-------------------|
| 09/847,813      | WOHLGEMUTH ET AL. |
| Examiner        | Art Unit          |

| ′ | Rejected | - | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
|   | Allowed  | ÷ | Restricted                     |

| Ν | Non-Elected  |
|---|--------------|
| 1 | Interference |

Benjamin E Lanier

| A | Appeal   |
|---|----------|
| 0 | Objected |

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| Claim Date  |          |              |  |          | Claim Date     |          |           |          |  | <b>—</b> ]:: | ::[    | Cla  | aim      | Date   |           |               |         |         |           |  |             |      |          |          |  |             |          |           |          |          |                 |          |          |
|-------------|----------|--------------|--|----------|----------------|----------|-----------|----------|--|--------------|--------|--|----------|--|-----------|---------------|---------|---------|-----------|--|-------------|------|----------|----------|--|-------------|----------|-----------|----------|----------|-----------------|----------|----------|
|             |          | ı            | Π  | Γ.       | П              | 1        | Ť         | Т        |  | $\dashv$     |        |  |          |  | Т         | $\top$        | Ī       | Ť       |           |  |             |      |          |          |  | Т           | $\top$   | Ť         | Ť        | Т        | $\neg$          | Ŧ        | ヿ        |
| Final       | Original | 2/8          |  |          |                |          |           |          |  |              |        | Final  | Original |  |           |               |         |         |           |  |             |      | Final    | Original |  |             |          |           |          |          |                 |          |          |
|             |          | 17           | <u></u>  |          |                |          |           |          |  | _            |        |  |          |  |           |               |         |         |           |  | _[:         |      |          |          |  |             | _        | _         |          |          |                 |          | _        |
|             | 1        | V            | L  |          | _              | _        | $\perp$   | <u>↓</u> | Ш  | ᆜ            |        |  | 51       |  | $\perp$   | $\perp$       |         | 1       |           | Ш  |             |      |          | 101      |  |             |          | _]_       | _        | _        |                 |          | [        |
|             | 2        | 1/           |  |          |                |          |           | <u>L</u> |  |              |        |  | 52       |  |           | $\perp$       | $\perp$ | ┸       |           |  |             |      |          | 102      |  |             |          |           |          |          |                 |          |          |
|             | 3        |              |  |          |                |          |           | <u> </u> |  |              |        |  | 53       |  |           |               | 1       | 1       |           |  | :           |      |          | 103      |  |             |          | ┙         |          |          |                 |          |          |
|             | 4        | ĺ            |  |          |                |          |           |          |  |              |        |  | 54       |  |           |               |         |         |           |  | i           |      |          | 104      |  |             |          |           |          |          |                 |          |          |
|             | 5        | П            |  |          |                | Π        | Τ         | П        | П  |              |        |  | 55       |  |           |               | T       | Т       |           |  | <b>-</b> 1: |      |          | 105      |  |             |          |           |          |          |                 |          |          |
|             | 6        |              |  |          | Π              | Π        | Τ         | Т        |  | $\neg$       |        |  | 56       |  |           |               | Т       | Τ       |           | П  |             |      |          | 106      |  | П           | Т        | Т         | П        | П        |                 | T        |          |
|             | 7        |              |  |          |                | Π        | Т         | 1        |  |              |        |  | 57       |  |           | T             | Т       | Т       | T         |  |             |      |          | 107      |  |             | T        | T         | $\neg$   | $\neg$   |                 | ╗        |          |
|             | 8        |              | Г  |          | П              | Т        |           |          |  |              |        |  | 58       |  |           |               | T       | 1       | 1         | П  | 7           |      |          | 108      |  | $\neg \neg$ | T        | 7         |          |          |                 |          |          |
|             | 9        |              |  | П        |                |          | T         | T        | П  |              |        |  | 59       |  |           |               |         |         |           | П  | <b></b>     |      |          | 109      |  | $\neg$      |          |           |          |          |                 |          |          |
|             | 10       | N            | Г  | <b>i</b> | Τ              | T        | T         | T        | П  |              |        |  | 60       |  | $\top$    |               |         |         | 1         |  | 1           |      |          | 110      | $\Box$   | $\neg$      | $\top$   | 寸         | 1        | $\dashv$ | $\neg$          | T        |          |
| $\vdash$    | 11       | 1            |  |          | 1              | t        | t         | T        |  |              |        | -  | 61       | $\Box$   | $\top$    | $\top$        | $\top$  |         | T         |  |             | :::  |          | 111      |  | $\neg$      | 1        | 寸         | 一        | 寸        | ヿ               | T        |          |
|             | 12       | V            | 1  |          | t              | T        | 1         | $\vdash$ |  | $\dashv$     |        |  | 62       | $\vdash$   | $\top$    | $\top$        | $\top$  | 十       | †         | $\Box$   | $\exists$   |      |          | 112      |  | $\top$      | $\dashv$ | $\top$    | 1        |          | _               | $\neg$   | $\neg$   |
|             | 13       | Ť            | <del> </del>                                     |          | t              |          | $\dagger$ | T        | $\vdash$   | $\dashv$     |        | <del></del>                                      | 63       |  | $\top$    | $\top$        | $\top$  | $\top$  | +         |  | 1           |      |          | 113      | $\vdash$   | $\top$      | _        | $\top$    | $\dashv$ | $\neg$   |                 | 一        | $\neg$   |
|             | 14       | -            | $\vdash$   | 1        | <del>† -</del> | t        | $t^{-}$   | +        | $\vdash$   |              |        | <b>-</b>   | 64       |  | +         | +             | +       | +       | $\dagger$ |  | $\dashv$    |      |          | 114      | $\vdash$   | $\dashv$    | $\dashv$ | +         | $\dashv$ | _        | -+              | $\dashv$ | _        |
| -           | 15       | -            | $\vdash$   | 1        | +              | +        | +         | +        | H  | -            |        |  | 65       | $\vdash$   | +         | +             | +       | Ť       | +-        | $\vdash$   |             |      |          | 115      | $\vdash \vdash$                                  | +           | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | -               | $\dashv$ | $\dashv$ |
| -           | 16       | ├            | ⊢  | ├        | ┼              | +        | ┿         | $\vdash$ | $\vdash$   | -            |        |  | 66       | <del>  -  </del>                                 | +         | +             | +       | +       | +         | -  | $\dashv$    |      |          | 116      |  | +           | +        | $\dashv$  | $\dashv$ | -        | -+              | $\dashv$ | _        |
|             | 17       | ┢            | ┝╌   | ┢        | ⊢              | ╁        | +         | +        | Н  |              |        | <del>                                     </del> | 67       | $\vdash$   | +         | +             | +       | +       | +         | -  |             |      |          | 117      | -  | -+          | $\dashv$ | $\dashv$  | +        | -        | -               |          |          |
|             |          | <del> </del> | ├  | $\vdash$ | +              | ╁        | +         | ╁        | ₩  |              |        | ļ  | 68       | $\vdash$   | +         | +             | ╁       | +       | +-        | ┥  |             |      |          | 118      | $\vdash$   |             |          | ┰         | -        | 1        |                 |          |          |
|             | 18       | V            | Ή  | ⊢        | $\vdash$       | ╁        | ╁         | ┼        | ╁╾┤  | _            |        | ├  | 69       | ╁┼   | +         |               | +-      | +-      |           | -  |             |      |          | 119      | $\vdash$   |             | +        | $\dashv$  | -        | $\dashv$ | $\dashv$        | $\dashv$ | -        |
| -           | 19       | ۲            | ┡  | ⊢        | ╄              | ┼        | ╀         |          | $\vdash$   |              |        | -  |          | $\vdash$   | -         | -             | +-      | +       | +-        | $\vdash$   |             |      |          |          |  | $\dashv$    | +        | $\dashv$  | -        | $\dashv$ | $\dashv$        | +        | _        |
| <b></b>     | 20       | ┞.           | <u> </u>   | <u> </u> |                | ┼-       | +-        | +        | $\sqcup$   |              |        |  | 70       |  | +         | +             | +       | +       | +         | -  |             |      |          | 120      | $\vdash$   |             | +        | $\dashv$  | $\dashv$ |          | -               | -        | _        |
| <u></u>     | 21       | ┞.           | ╙  | <u> </u> | ↓_             | 1-       | +-        | ↓        | $\sqcup$   |              |        |  | 71       |  | _         | _             | _       | $\perp$ | _         |  | -4          |      |          | 121      | $\vdash$   | -           | -        | 4         |          |          | _               | -        |          |
|             | 22       | ╙            | <u> </u>   | <u> </u> | <u> </u>       | ↓_       | _         | <u> </u> | $\sqcup$   |              |        |  | 72       | <b>.</b>   | +         | $\perp$       | $\bot$  | _       | -         |  | -1          |      |          | 122      | $\vdash$   |             | -        | 4         | _        |          |                 |          | _        |
|             | 23       | L            | <u> </u>   | ┖        | ↓              | ╄        | _         | <u> </u> | $\sqcup$   |              |        | <u> </u>   | 73       | $\sqcup$   | $\bot$    | 4             | ┸       |         |           | $\sqcup$   | _           |      |          | 123      | 1  | _           | -        | 4         |          | _        |                 | $\dashv$ | _        |
|             | 24       | Ļ,           | <u> </u>   | <u> </u> | <u> </u>       | 上        | <u> </u>  | _        | Ш  |              |        |  | 74       | Ш  | 4         | _             | ┸       |         |           | ╙  |             |      |          | 124      |  |             | _        | 4         | _        | _        |                 | _        |          |
|             | 25       | V            | L  | L        |                | ┖        | _         |          | Ш  |              |        |  | 75       |  | $\perp$   |               | 1       |         | ᆚ_        | Ш  |             |      |          | 125      |  |             | _        | 4         | _        | _        | _               | 4        |          |
|             | 26       |              | L  |          |                | 上        |           |          |  |              |        |  | 76       |  |           |               | L       |         |           |  | :           |      |          | 126      |  |             |          | _         |          | _        | _               | _        |          |
|             | 27       |              |  |          |                | <u>L</u> | <u> </u>  |          | Ш  |              |        | <u> </u>   | 77       |  |           | _             |         |         |           | Ш  |             |      |          | 127      |  |             | $\perp$  | _         |          |          |                 | _        |          |
|             | 28       |              |  |          |                | L        |           | 1_       |  |              |        |  | 78       |  | $\bot$    |               |         |         |           |  | :           |      |          | 128      |  |             |          |           |          | $\Box$   |                 |          |          |
|             | 29       |              | I  |          |                |          |           | T        |  |              |        |  | 79       |  |           |               |         |         |           |  | :           |      |          | 129      | <u> </u>   |             |          |           |          |          |                 |          |          |
|             | 30       |              |  |          |                | Г        |           | T        |  |              |        |  | 80       |  |           |               |         |         |           |  |             |      |          | 130      |  |             |          |           |          |          |                 |          |          |
|             | 31       |              | Г  |          |                | Τ        | Τ         |          | П  |              |        |  | 81       |  | $\exists$ |               |         |         |           |  |             |      |          | 131      |  |             |          |           |          |          |                 |          |          |
|             | 32       |              |  |          | T              | Т        |           |          | П  |              |        |  | 82       |  | $\neg$    | $\top$        | T       | T       | T         | П  |             |      |          | 132      | П  | T           | T        | T         |          | $\neg$   | $\neg$          |          |          |
|             | 33       |              |  |          |                | 1        | T         | Τ        | $\Box$   |              |        |  | 83       |  | $\top$    | $\top$        | Τ       | T       |           |  | $\neg$      |      |          | 133      | П  | $\top$      | $\top$   | $\exists$ | $\neg$   |          |                 |          |          |
|             | 34       |              | Γ  | Π        | 1              | Τ        | Τ         | 1        |  |              |        |  | 84       |  |           |               |         | T       |           |  |             |      |          | 134      |  | $\top$      | T        | $\exists$ | $\neg$   | $\neg$   | $\neg$          | $\Box$   |          |
|             | 35       | 1            | Τ  | 1-       | i-             | T        | 1         | T        | П  |              |        |  | 85       |  | $\top$    | _             | Т       | Т       | 1         | $\Box$   | $\neg$      |      |          | 135      | $\Box$   | o           | $\top$   | $\dashv$  | $\neg$   | $\neg$   |                 | $\neg$   | _        |
|             | 36       |              |  |          | 1              |          | $\top$    | T        | $\sqcap$   |              |        |  | 86       | $\Box$   | $\neg$    | $\neg \vdash$ | 1       | $\top$  | $\top$    | П  | $\exists$   |      |          | 136      | $\sqcap$   | 十           | $\top$   | 7         | $\neg$   | $\neg$   |                 | $\dashv$ | _        |
|             | 37       |              | 1  | 1        | 1              | T        | 1         | T        | $\sqcap$   | _            |        |  | 87       | $\Box$   | $\top$    | $\top$        | $\top$  | $\top$  | $\top$    | $\sqcap$   | $\exists$   |      | _        | 137      | $\Box$   | 十           | _        | 7         | $\neg$   | $\neg$   |                 | $\neg$   |          |
|             | 38       | 1            | T  | T        | 1              | $\top$   | +-        | T        | T  |              |        |  | 88       | $\Box$   | $\dashv$  | $\top$        | $\top$  | $\top$  | 1         |  | $\neg$      |      |          | 138      |  | $\top$      | $\top$   | $\dashv$  | 7        | $\dashv$ | $\dashv$        | 7        | _        |
|             | 39       | t            | T  | t        | +              | T        | T         | T        | H  |              |        |  | 89       | $\vdash$   | +         | +             | 十       | $\top$  | $\top$    | $\vdash$   | $\dashv$    |      |          | 139      | $\Box$   | $\top$      | $\top$   | $\dashv$  | +        | $\dashv$ | $\dashv$        | $\dashv$ | _        |
|             | 40       | T            | <del>                                     </del> | t        | $t^{-}$        | ✝        | +-        | +        | ╅  | $\neg$       |        |  | 90       | <del>                                     </del> | +         | +             | ╅       | +       | +         | $\vdash$   | ⊣:          |      |          | 140      | $\vdash$   | $\dashv$    | $\top$   | 7         | -        |          | $\neg \uparrow$ | _        | —        |
|             | 41       | †            | $\vdash$   | +        | +              | +-       | +         | +        | ╅  | -            |        | -  | 91       | <del>   </del>                                   | $\dashv$  | +             | +       | +       | +         | $\vdash$   | $\dashv$    |      |          | 141      | <del>   </del>                                   |             | -        | $\dashv$  | 一        | $\dashv$ | -               | $\dashv$ | _        |
|             | 42       | $\vdash$     | $\vdash$   | $\vdash$ | +              | +        | +         | +        | $\vdash \vdash$                                  |              |        | $\vdash$   | 92       | $\vdash$   | +         | +             | +       | ╁       | +         | $\vdash$   | $\dashv$    |      |          | 142      | ╁╌┼  | -+          | +        | +         | +        |          | -               | -        |          |
| -           | 43       | $\vdash$     | $\vdash$   | ╁        | +-             | +        | +         | +        | ╅╾┥  |              |        | -  | 93       | ++   | +         |               | +       | +       | +         | $\vdash$   | <b>⊢</b> !  |      |          | 143      | $\vdash$   | $\dashv$    | +        | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$ | _        |
| -           | 44       | ┼─           | ┼─   | ┼        | +-             | +-       | +-        | ┿        | +-   |              |        | <del> </del>                                     | 94       | <del>   </del> -                                 | ╁         | +             | +       | +       | +         | +-+  |             |      |          | 144      | +  | +           | +        | ┥         | -        | -        | $\dashv$        | ᆉ        |          |
|             | 45       | $\vdash$     | $\vdash$   | $\vdash$ | +              | +        | +         | +        | $\vdash$   |              |        | ├─-  | 95       | $\vdash$   | +         | +             | ┿       | +-      | +-        | ╁  | -           |      |          | 145      | <del>   </del>                                   | +           | +        | +         |          |          | $\dashv$        |          | _        |
| -           | 46       | ╀            | ┨  | +-       | +-             | +-       | +         | +        | <del>                                     </del> |              |        | <b> </b>   | 96       | <del>   </del>                                   | +         | +             | +       | +       | +         | $\vdash$   |             |      |          | 146      | $\vdash$   | +           | +        | $\dashv$  | -        | -        |                 | $\dashv$ |          |
| <b></b>     | 47       | ╀            | H  | $\vdash$ | +              | +        | ╁         | +        | ₩  |              |        | -  | 97       | -  | +         | +             | +       | +       | +         | $\vdash$   |             |      |          | 147      | ┯  | +           |          | $\dashv$  | -        | _        |                 | -        |          |
| <del></del> |          | ╄            | ╀  | ╂        | +              | +-       | ╀         | ╁        | +  |              |        | <b></b>  |          | $\vdash$   | +         | +             | +       | +       |           | <del>                                     </del> |             |      | <u> </u> | 147      | <del>                                     </del> | +           | +        | +         |          |          |                 | -        |          |
| $\vdash$    | 48       | ⊢            | ⊢  | $\vdash$ | +              | +        | +         | +        | <del> </del>                                     |              |        |  | 98       | ╁  | +         | +             | +       | +-      | +-        | <del>                                     </del> |             |      |          | 148      | $\vdash$   | $\dashv$    | +        | $\dashv$  | $\dashv$ | -        | -               |          | _        |
| -           | 49       | ╀            | ╀  | +-       | +-             | ╁        | +         | ╁        | +  |              |        | <b>—</b>   | 99       | ┯┼   | +         | +             | +       | +       | +         | $\vdash$   | -           |      |          | 149      | $\vdash$   | +           | +        | $\dashv$  | -        | -        |                 |          | _        |
| 1           | 50       | 1            | 1  | 1        | 1              |          |           | 1        | 1 1  | _            | [:::·: | 1  | 100      | 1 1  |           | - 1           | - 1     |         |           | 1  | :           | -:-: | 1        | 150      | 1  | - 1         | - 1      | - 1       |          |          | .               | - 1      |          |